

Amendments to the Claims

This listing will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Previously presented) A topical composition, comprising:

a broth having cultured, homogenized, substantially undifferentiated plant seed cells; and

a pharmaceutically or cosmetically acceptable vehicle, wherein the composition is topically applied to the skin, nail, lips, or hair.

2. (Currently amended) The composition of claim 1, wherein the plant seed cells, ~~when present in a culture medium,~~ are present in an amount from about 0.0001 wt% to about 50 wt% of the total weight of the composition.

3. (Currently amended) The composition of claim 1, wherein the plant seed cells, ~~when present in a culture medium,~~ are present in an amount from about 0.001 wt% to about 10 wt% of the total weight of the composition.

4. (Currently amended) The composition of claim 1, wherein the plant seed cells, ~~when present in a culture medium,~~ are present in an amount from about 0.01 wt% to about 5 wt% of the total weight of the composition.

5. (Currently amended) The composition of claim 1, wherein the plant seed cells, ~~when present in a culture medium~~, are present in an amount from about 0.1 wt% to about 3 wt% of the total weight of the composition.

6. (Original) The composition of claim 1, wherein the plant seed cells are neem seed cells.

7. (Currently amended) The composition of claim 6, wherein the neem seed cells, ~~when present in a culture medium~~, are present in an amount from about 0.001 wt% to about 10 wt% of the total weight of the composition.

8. (Previously presented) The composition of claim 1, wherein the plant seed cells are derived from one or more of plants selected from the group consisting of Ajuga reptans, caraway, cumin, carrot, custard apple, cucumber, fennel, flax, grape, mangostine, pomegranate, perilla, sunflower and tomato.

9. (Original) The composition of claim 1, wherein the vehicle is one or more ingredients selected from the group consisting of water, C<sub>1-4</sub> alcohols, fatty alcohols, fatty ethers, fatty esters, polyols, glycols, vegetable oils, mineral oils, liposomes, laminar lipid materials, silicone oils, or any mixtures thereof.

10. (Original) The composition of claim 1, wherein the composition is in a product form selected from the group consisting of aerosol spray, cream, dispersion, foam, gel, lotion, mousse, ointment, powder, patch, pomade, solution, pump spray, stick, and towelette.

11. (Withdrawn) A topical composition, comprising substantially undifferentiated neem seed cells.

12. (Withdrawn) The composition of claim 11, wherein the neem seed cells, when present in a culture medium, are present in an amount from about 0.0001 wt% to about 50 wt% of the total weight of the composition.

13. (Currently amended) A method of improving the aesthetic appearance of skin, comprising topically applying to the skin a composition having a broth having cultured, homogenized substantially undifferentiated plant seed cells and a pharmaceutically or cosmetically acceptable vehicle.

14. (Original) The method of claim 13, wherein the plant seed cells are neem seed cells.

15. (Currently amended) The method of claim 13, wherein the plant seed cells, ~~when present in a culture medium,~~ are present in an amount from about 0.0001 wt% to about 50 wt% of the total weight of the composition.

16. (Currently amended) The method of claim 13, wherein the plant seed cells, ~~when present in a culture medium,~~ are present in an amount from about 0.001 wt% to about 10 wt% of the total weight of the composition.

17. (Cancelled)

18. (Cancelled)

19. (Withdrawn) A method of improving the aesthetic appearance of skin comprising topically applying a composition having substantially undifferentiated neem seed cells.

20. (Withdrawn) The method of claim 19, wherein the neem seed cells, when in a culture medium, are present in an amount from about 0.0001 to about 50 wt% of the total weight of the composition.

21. (Withdrawn) A method of enhancing the therapeutic efficacy of a topical composition for the skin, nail, lips and/or hair, comprising incorporating into the composition substantially undifferentiated plant seed cells.

22. (Withdrawn) The method of claim 21, wherein the plant seed cell is neem seed cell.

23. (Withdrawn) A method for enhancing the production of a pre-determined plant cell constituent, comprising

inducing substantially undifferentiated plant seed cells under conditions effective to elicit differentiation of the seed cells such that the concentration or production rate of the pre-determined plant cell constituent is enhanced.

24. (Withdrawn) A topical composition, comprising the differentiated seed cells of claim 23 and a cosmetically acceptable vehicle.

25. (Previously presented) The topical composition of claim 1, wherein the plant seed cells are coconut seed cells obtained from portions of a coconut seed or the seed cell constituents of the coconut seed.

26. (Currently amended) The topical composition of claim 1, wherein the plant cells are derived from the Ajuga reptans plant.

27. (Currently amended) The topical composition of claim 1, wherein the plant cells are derived from the mangostine plant.

28. (Currently amended) The topical composition of claim 1, wherein the plant seed cells are derived from the pomegranate pomegranate plant.

29. (Previously presented) The topical composition of claim 1, wherein the plant seed cells are derived from the perilla plant.